

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
		((gate or door) same (gas and spring)) and (ald or cvd) and deposit\$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit\$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.))))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/11/06 14:31
L1	2	"6620250".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/24 14:45
L2	9797	118/715.ccls. or 118/728.ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.51.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/24 14:45
L3	7879	137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07.ccls. or 137/602.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/24 14:45
L4	2415	141/285-286.ccls. or 141/37.ccls. or 141/44-47.ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/24 14:45
L5	472	261/127.ccls. or 261/131.ccls. or 261/146-147.ccls. or 261/150.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/24 14:45
L6	2608	261/19-22.ccls. or 261/23.1.ccls. or 261/40.ccls. or 261/42.ccls. or 261/62-63.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/24 14:45
L7	7165	261/64.1.ccls. or 261/65.ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102.ccls. or 261/105.ccls. or 261/108-109.ccls. or 261/113.ccls. or 261/114.1.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/24 14:45
L8	12844	(ald or cvd) and deposit\$3 and valve	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/24 14:45
L9	29677	(118/715.ccls. or 118/728.ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.51.ccls.) or (137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07.ccls. or 137/602.ccls.) or (141/285-286.ccls. or 141/37.ccls. or 141/44-47.ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls.) or (261/127.ccls. or 261/131.ccls. or 261/146-147.ccls. or 261/150.ccls.) or (261/19-22.ccls. or 261/23.1.ccls. or 261/40.ccls. or 261/42.ccls. or 261/62-63.ccls.) or (261/64.1.ccls. or 261/65.ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102.ccls. or 261/105.ccls. or 261/108-109.ccls. or 261/113.ccls. or 261/114.1.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/24 14:53
L10	2736	(ald or cvd) and deposit\$3 and (valve same wall)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/24 14:45
L11	444	(ald or cvd) and deposit\$3 and ((valve and actuator) same wall)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/24 14:45

L12	73	((gate or door) same (gas and spring)) and (ald or cvd) and deposit\$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit\$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.))))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L13	4	((gate or door) with (gas and spring)) and (ald or cvd) not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit\$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((gate or door) same (gas and spring)) and (ald or cvd) and deposit\$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit\$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((actuator same (gas and wall)) and (ald or cvd) and deposit\$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit\$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((gate or door) same (gas and spring)) and (ald or cvd) and deposit\$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit\$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)))))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L14	70589	valve and wall and (deposit\$4 or etch\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L15	7555	valve and wall and (deposit\$4 or etch\$4) and flush	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L16	33025	(valve and wall and (deposit\$4 or etch\$4)) and (wafer or substrate or article)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L17	33025	(valve and wall and (deposit\$4 or etch\$4)) and (wafer or substrate or article)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L18	25	(wall with "pinch valve") and deposit\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L19	96	(wall with "pinch valve") and (reactor or chamber or vessel or tank) not ((wall with "pinch valve") and deposit\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L20	5	"diaphragm valve".ti. and "chemical vapor deposition"	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L21	1283	((118/715.ccls. or 118/728.ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.51.ccls.) or (137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07.ccls. or 137/602.ccls.) or (141/285-286.ccls. or 141/37.ccls. or 141/44-47.ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls.) or (261/127.ccls. or 261/131.ccls. or 261/146-147.ccls. or 261/150.ccls.) or (261/19-22.ccls. or 261/23.1.ccls. or 261/40.ccls. or 261/42.ccls. or 261/62-63.ccls.) or (261/64.1.ccls. or 261/65.ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102.ccls. or 261/105.ccls. or 261/108-109.ccls. or 261/113.ccls. or 261/114.1.ccls.) and (((ald or cvd) and deposit\$3 and (valve same wall)) or (((gate or door) same (gas and spring)) and (ald or cvd) and deposit\$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit\$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((wall with "pinch valve") and deposit\$3) or ((wall with "pinch valve") and (reactor or chamber or vessel or tank) not ((wall with "pinch valve") and deposit\$3))))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45

L22	540	(valve and wall and (deposit\$4 or etch\$4)) and (((118/715.ccls. or 118/728.ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.51.ccls.) or (137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07.ccls. or 137/602.ccls.) or (141/285-286.ccls. or 141/37.ccls. or 141/44-47.ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls.) or (261/127.ccls. or 261/131.ccls. or 261/146-147.ccls. or 261/150.ccls.) or (261/19-22.ccls. or 261/23.1.ccls. or 261/40.ccls. or 261/42.ccls. or 261/62-63.ccls.) or (261/64.1.ccls. or 261/65.ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102.ccls. or 261/105.ccls. or 261/108-109.ccls. or 261/113.ccls. or 261/114.1.ccls.)) and (((ald or cvd) and deposit\$3 and (valve same wall)) or (((gate or door) same (gas and spring)) and (ald or cvd) and deposit\$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit\$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.))))) or ((wall with "pinch valve") and deposit\$3) or ((wall with "pinch valve") and (reactor or chamber or vessel or tank) not ((wall with "pinch valve") and deposit\$3)))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L23	0	(((gate or door) with (gas and spring)) and (ald or cvd) not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit\$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((gate or door) same (gas and spring)) and (ald or cvd) and deposit\$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit\$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.))))) or ((actuator same (gas and wall)) and (ald or cvd) and deposit\$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit\$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.))))) or (((gate or door) same (gas and spring)) and (ald or cvd) and deposit\$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit\$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)))))) and ((valve and wall and (deposit\$4 or etch\$4)) and (((118/715.ccls. or 118/728.ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.51.ccls.) or (137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07.ccls. or 137/602.ccls.) or (141/285-286.ccls. or 141/37.ccls. or 141/44-47.ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls.) or (261/127.ccls. or 261/131.ccls. or 261/146-147.ccls. or 261/150.ccls.) or (261/19-22.ccls. or 261/23.1.ccls. or 261/40.ccls. or 261/42.ccls. or 261/62-63.ccls.) or (261/64.1.ccls. or 261/65.ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102.ccls. or 261/105.ccls. or 261/108-109.ccls. or 261/113.ccls. or 261/114.1.ccls.)) and (((ald or cvd) and deposit\$3 and (valve same wall)) or (((gate or door) same (gas and spring)) and (ald or cvd) and deposit\$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit\$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.))))) or ((wall with "pinch valve") and deposit\$3) or ((wall with "pinch valve") and (reactor or chamber or vessel or tank) not ((wall with "pinch valve") and deposit\$3)))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L24	2	((("4319737") or ("5002928") or ("5002928") or ("5002928")).PN.	USPAT; USOCR	OR	OFF	2005/07/24 14:45
L25	1	("5885358").PN.	USPAT; USOCR	OR	OFF	2005/07/24 14:45
L26	181	RTP.ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L27	6	((("5002928") or ("5853484") or ("5002928") or ("4319737") or ("5002928") or ("5002928") or ("5002928")).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2005/07/24 14:45
L28	2	us-20020129768-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45

L29	11	((("6,228,563") or ("6,333,268") or ("4,872,947") or ("5,000,113") or ("5,362,526") or ("20030045098") or ("20020155632"))).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2005/07/24 14:45
L30	2	("4872947").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2005/07/24 14:45
L31	19	((("5,522,934") or ("5,620,523") or ("5,772,771") or ("6,132,552") or ("6,294,026") or ("6,453,992") or ("5,792,272") or ("20030033980") or ("20040144310"))).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2005/07/24 14:45
L32	2	("5,002,928").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2005/07/24 14:45
L33	2	("5,853,484").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2005/07/24 14:45
L34	9797	118/715.ccls. or 118/728.ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.51.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L35	7879	137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07.ccls. or 137/602.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L37	2415	141/285-286.ccls. or 141/37.ccls. or 141/44-47.ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L38	472	261/127.ccls. or 261/131.ccls. or 261/146-147.ccls. or 261/150.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L39	2608	261/19-22.ccls. or 261/23.1.ccls. or 261/40.ccls. or 261/42.ccls. or 261/62-63.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L40	7165	261/64.1.ccls. or 261/65.ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102.ccls. or 261/105.ccls. or 261/108-109.ccls. or 261/113.ccls. or 261/114.1.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L41	12844	(ald or cvd) and deposit(\$3 and valve	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L42	29677	(118/715.ccls. or 118/728.ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.51.ccls.) or (137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07.ccls. or 137/602.ccls.) or (141/285-286.ccls. or 141/37.ccls. or 141/44-47.ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls.) or (261/127.ccls. or 261/131.ccls. or 261/146-147.ccls. or 261/150.ccls.) or (261/19-22.ccls. or 261/23.1.ccls. or 261/40.ccls. or 261/42.ccls. or 261/62-63.ccls.) or (261/64.1.ccls. or 261/65.ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102.ccls. or 261/105.ccls. or 261/108-109.ccls. or 261/113.ccls. or 261/114.1.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45

L43	2736	(ald or cvd) and deposit\$3 and (valve same wall)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L44	444	(ald or cvd) and deposit\$3 and ((valve and actuator) same wall)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L45	73	((gate or door) same (gas and spring)) and (ald or cvd) and deposit\$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit\$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.))))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L46	4	((gate or door) with (gas and spring)) and (ald or cvd) not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit\$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.))) or (((gate or door) same (gas and spring)) and (ald or cvd) and deposit\$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit\$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)))))) or ((actuator same (gas and wall)) and (ald or cvd) and deposit\$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit\$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)))) or (((gate or door) same (gas and spring)) and (ald or cvd) and deposit\$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit\$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.))))))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L47	70589	valve and wall and (deposit\$4 or etch\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L48	7555	valve and wall and (deposit\$4 or etch\$4) and flush	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L50	33025	(valve and wall and (deposit\$4 or etch\$4)) and (wafer or substrate or article)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L52	33025	(valve and wall and (deposit\$4 or etch\$4)) and (wafer or substrate or article)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L53	25	(wall with "pinch valve") and deposit\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L54	96	(wall with "pinch valve") and (reactor or chamber or vessel or tank) not ((wall with "pinch valve") and deposit\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L55	5	"diaphragm valve".ti. and "chemical vapor deposition"	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45

L56	1283	((118/715.ccls. or 118/728.ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.51.ccls.) or (137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07.ccls. or 137/602.ccls.) or (141/285-286.ccls. or 141/37.ccls. or 141/44-47.ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls.) or (261/127.ccls. or 261/131.ccls. or 261/146-147.ccls. or 261/150.ccls.) or (261/19-22.ccls. or 261/23.1.ccls. or 261/40.ccls. or 261/42.ccls. or 261/62-63.ccls.) or (261/64.1.ccls. or 261/65.ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102.ccls. or 261/105.ccls. or 261/108-109.ccls. or 261/113.ccls. or 261/114.1.ccls.)) and (((ald or cvd) and deposit\$3 and (valve same wall)) or (((gate or door) same (gas and spring)) and (ald or cvd) and deposit\$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit\$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)))) or ((wall with "pinch valve") and deposit\$3) or ((wall with "pinch valve") and (reactor or chamber or vessel or tank) not ((wall with "pinch valve") and deposit\$3)))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L57	0	((((gate or door) with (gas and spring)) and (ald or cvd) not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit\$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)))) or (((gate or door) same (gas and spring)) and (ald or cvd) and deposit\$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit\$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)))))) or ((actuator same (gas and wall)) and (ald or cvd) and deposit\$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit\$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)))) or (((gate or door) same (gas and spring)) and (ald or cvd) and deposit\$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit\$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.))))))) and ((valve and wall and (deposit\$4 or etch\$4)) and (((118/715.ccls. or 118/728.ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.51.ccls.) or (137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07.ccls. or 137/602.ccls.) or (141/285-286.ccls. or 141/37.ccls. or 141/44-47.ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls.) or (261/127.ccls. or 261/131.ccls. or 261/146-147.ccls. or 261/150.ccls.) or (261/19-22.ccls. or 261/23.1.ccls. or 261/40.ccls. or 261/42.ccls. or 261/62-63.ccls.) or (261/64.1.ccls. or 261/65.ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102.ccls. or 261/105.ccls. or 261/108-109.ccls. or 261/113.ccls. or 261/114.1.ccls.)) and (((ald or cvd) and deposit\$3 and (valve same wall)) or (((gate or door) same (gas and spring)) and (ald or cvd) and deposit\$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit\$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)))) or ((wall with "pinch valve") and deposit\$3) or ((wall with "pinch valve") and (reactor or chamber or vessel or tank) not ((wall with "pinch valve") and deposit\$3)))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L58	2	("4319737") or ("5002928") or ("5002928") or ("5002928").PN.	USPAT; USOCR	OR	OFF	2005/07/24 14:45
L59	1	("5885358").PN.	USPAT; USOCR	OR	OFF	2005/07/24 14:45
L60	6	("5002928") or ("5853484") or ("5002928") or ("4319737") or ("5002928") or ("5002928") or ("5002928").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2005/07/24 14:45
L61	2	us-20020129768-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L62	11	("6,228,563") or ("6,333,268") or ("4,872,947") or ("5,000,113") or ("5,362,526") or ("20030045098") or ("20020155632").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2005/07/24 14:45

L63	2	("4872947").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2005/07/24 14:45
L64	19	((("5,522,934") or ("5,620,523") or ("5,772,771") or ("6,132,552") or ("6,294,026") or ("6,453,992") or ("5,792,272") or ("20030033980") or ("20040144310")).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2005/07/24 14:45
L65	2	("5,002,928").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2005/07/24 14:45
L66	181	RTP.ti	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L67	540	(valve and wall and (deposit\$4 or etch\$4)) and (((118/715.ccls. or 118/728.ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.51.ccls.) or (137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07.ccls. or 137/602.ccls.) or (141/285-286.ccls. or 141/37.ccls. or 141/44-47.ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls.) or (261/127.ccls. or 261/131.ccls. or 261/146-147.ccls. or 261/150.ccls.) or (261/19-22.ccls. or 261/23.1.ccls. or 261/40.ccls. or 261/42.ccls. or 261/62-63.ccls.) or (261/64.1.ccls. or 261/65.ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102.ccls. or 261/105.ccls. or 261/108-109.ccls. or 261/113.ccls. or 261/114.1.ccls.)) and (((ald or cvd) and deposit\$3 and (valve same wall)) or (((gate or door) same (gas and spring)) and (ald or cvd) and deposit\$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit\$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)))) or ((wall with "pinch valve") and deposit\$3) or ((wall with "pinch valve") and (reactor or chamber or vessel or tank) not ((wall with "pinch valve") and deposit\$3))))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L68	4	((("5951771") or ("5221449")).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2005/07/24 14:45
L70	225	NGUYEN-ANH-N.in. or CHIAO-STEVE-H.in. or YUAN-XIAOXIONG.in. or LEI-LAWRENCE-CHUNG-LAI.in. or XI-MING.in. or YANG-MICHAEL-X.in. or SEUTTER-SEAN-M.in. or ITOH-TOSHIO.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L72	108	L70 and valve	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45

L77	290	("20010000866" "20010002280" "20010009140" "20010009695" "20010011526" "20010021589" "20010024387" "20010025979" "20010028924" "20010029094" "20010029891" "20010031562" "20010034123" "20010041250" "20010042799" "20010050039" "20010054730" "20010054769" "20020000598" "20020004293" "20020005556" "20020007790" "20020008297" "20020014647" "20020015790" "20020016084" "20020019121" "20020020869" "20020021544" "20020029092" "20020037630" "20020041931" "20020043666" "20020047151" "20020048635" "20020048880" "20020052097" "20020055235" "20020061612" "20020064970" "20020068458" "20020073924" "20020074588" "20020076481" "20020076507" "20020076508" "20020076837" "20020081826" "20020081844" "20020090829" "20020093046" "20020093781" "20020094689" "20020098627" "20020104481" "20020105088" "20020106536" "20020106846" "20020109168" "20020117399" "20020121697" "20020135071" "20020144655" "20020144657" "20020146511" "20020146895" "20020151152" "20020153579" "20020155722" "20020162506" "20020164421" "20020164423" "20020177282" "20020182320" "20020187256" "20020187631" "20020197402" "20030013320" "20030015764" "20030031807" "20030032281" "20030042630" "20030049942" "20030060057" "20030072975" "20030082296" "20030082300" "4058430" "4389973" "4413022" "4486487" "4767494" "4806321" "4813846" "4829022" "4834831").PN. OR ("4838983" "4838993" "4840921" "4845049" "4859625" "4859627" "4861417" "4876218" "4917556" "4927670" "4931132" "4951601" "4960720" "4975252" "4993357" "5000113" "5013683" "5028565" "5082798" "5085885" "5091320" "5130269" "5166092" "5173474" "5186718" "5205077" "5225366" "5234561" "5246536" "5250148" "5254207" "5256244" "5259881" "5270247" "5278435" "5281274" "5286296" "5290609" "5290748" "5294286" "5296403" "5300186" "5306666" "5311055" "5316615" "5316793" "5330610" "5336324" "5338389" "5348911" "5374570" "5395791" "5438952" "5439876" "5441703" "5443033" "5443647" "5455072" "5458084" "5469806" "5480818" "5483919" "5484664" "5503875" "5521126" "5526244" "5527733" "5532511" "5540783" "5580380" "5601651" "5609689" "5616181" "5637530" "5641984" "5644128" "5667592" "5674786" "5693139" "5695564" "5705224" "5707880" "5711811" "5730801" "5730802" "5747113" "5749974" "5788447" "5788799" "5796116" "5801634" "5807792" "5830270" "5835677" "5851849" "5855675" "5855680" "5856219" "5858102" "5866213" "5866795" "5879459" "5882165" "5882413" "5904565" "5916365" "5923056" "5923985" "5925574" "5928389" "5942040" "5947710" "5972430" "6001669" "6013553" "6015590" "6015917" "6020243" "6025627" "6036773" "6042652" "6043177" "6051286" "6062798" "6071808").PN. OR ("6084302" "6086677" "6110556" "6113977" "6117244" "6124158" "6130147" "6139700" "6140237" "6140238" "6143659" "6144060" "6158446" "6174377" "6174809" "6197683" "6200893" "6203613" "6206967" "6207302" "6207487" "6238734" "6248605" "6270572" "6271148" "6284646" "6287965" "6291283" "6291876" "6297539" "6299294" "6305314" "6306216" "6316098" "6333260" "6342277" "6348376" "6348386" "6355561" "6358829" "6368954" "6369430" "6372598" "6379748" "6391785" "6391803" "6395650" "6399491" "6416577" "6416822" "6420189" "6420279" "6423619" "6428859" "6447933" "6451119" "6451695" "6452229" "6458701" "6468924" "6475276" "6475910" "6482262" "6482733" "6482740" "6492283" "6511539" "6534395" "6548424").PN. OR ("6846516").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/24 14:46
L78	4047	9 and ((valve near/2 seat) with (chamber or reactor))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:54
L79	7	9 and ((pinch adj1 valve) with (chamber or reactor))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:58
L80	42	9 and (pinch adj1 valve) not 79	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 15:00

L81	747	9 and (valve with (seat and wall))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 15:01
L82	41	81 and (wafer or substrate)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 15:14
L83	2	"20030116087"	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 15:17
L84	2	"6916398".pn	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 15:17

L90	386	("20010000866" "20010002280" "20010009140" "20010009695" "20010011526" "20010013312" "20010014371" "20010024387" "20010025979" "20010028924" "20010029094" "20010031562" "20010034123" "20010041250" "20010042523" "20010042799" "20010054377" "20010054730" "20010054769" "20020000196" "20020000598" "20020004293" "20020007790" "20020019121" "20020020869" "20020021544" "20020031618" "20020037630" "20020041931" "20020048635" "20020048880" "20020052097" "20020055235" "20020060363" "20020061612" "20020066411" "20020068458" "20020073924" "20020076481" "20020076507" "20020076508" "20020076837" "20020086106" "20020086111" "20020086507" "20020090829" "20020092471" "20020094689" "20020098627" "20020104481" "20020105088" "20020106536" "20020106846" "20020108570" "20020109168" "20020117399" "20020121241" "20020121342" "20020127336" "20020127745" "20020134307" "20020144655" "20020144657" "20020146511" "20020155722" "20020162506" "20020164421" "20020164423" "20020177282" "20020182320" "20020187256" "20020197402" "20030004723" "20030010451" "20030013320" "20030019428" "20030023338" "20030031807" "20030042630" "20030049931" "20030049942" "20030053799" "20030057526" "20030057527" "20030059538" "20030072913" "20030072975" "20030075273" "20030075925" "20030079686" "20030082296" "20030082301" "20030082307").PN. OR ("20030089308" "20030101927" "20030104126" "20030106490" "20030108674" "20030113187" "20030116087" "20030121469" "20030121608" "20030124262" "20030129826" "20030134508" "20030140854" "20030143747" "20030143839" "20030153177" "20030168750" "20030172872" "20030173586" "20030186495" "20030190423" "20030190804" "20030194493" "20030198754" "20030205729" "20030213560" "20030213987" "20030216981" "20030221780" "20030224107" "20030224578" "20030224600" "20040009307" "20040011404" "20040011504" "20040013577" "20040014320" "20040015300" "20040018304" "20040018723" "20040018747" "20040033698" "20040046197" "3291456" "4058430" "4389973" "4413022" "4486487" "4614639" "4732110" "4761269" "4767494" "4806321" "4813846" "4829022" "4834831" "4838983" "4838993" "4840921" "4845049" "4859625" "4859627" "4861417" "4876218" "4907534" "4917556" "4927670" "4931132" "4951601" "4960720" "4975252" "4987856" "4991542" "4993357" "5000113" "5013683" "5028565" "5082798" "5085885" "5085887" "5091320" "5130269" "5134965" "5166092" "5173474" "5186718" "5204145" "5205077" "5221449" "5224513" "5225366" "5234561" "5246536" "5250148" "5254207" "5256244" "5259881" "5261959" "5264038" "5270247" "5278435" "5281274" "5281485" "5286296" "5290748" "5294286" "5296403" "5300186" "5306666" "5311055").PN. OR ("5316615" "5316793" "5330610" "5336324" "5338362" "5338363" "5338364" "5338389" "5348911" "5374570" "5395791" "5438952" "5439876" "5441703" "5443033" "5443647" "5455072" "5458084" "5469806" "5480818" "5483919" "5484664" "5496410" "5503875" "5521126" "5527733" "5532511" "5540783" "5542452" "5573566" "5580380" "5601651" "5609689" "5616181" "5637530" "5641984" "5643366" "5644128" "5667592" "5674786" "5693139" "5695564" "5705224" "5707880" "5711811" "5730801" "5730802" "5747113" "5749974" "5788447" "5788799" "5796116" "5801634" "5804488" "5807792" "5830270" "5835677" "5838677" "5846330" "5851849" "5855675" "5855680" "5856219" "5858102" "5866213" "5866795" "5879459" "5882165" "5882413" "5888303" "5904565" "5916365" "5919332" "5923056" "5923985" "5925574" "5928389" "5942040" "5947710" "5951771" "5972430" "5996528" "6001267" "6001669" "6015590" "6015917" "6025627" "6036773" "6042652" "6043177" "6051286" "6062798" "6066358" "6071808" "6084302" "6086677" "6110556" "6113977" "6117244" "6124158" "6130147" "6139700" "6140237" "6140238" "6143077" "6143659" "6144060" "6158446" "6174377" "6174809" "6179920" "6183563" "6197683" "6200893" "6203613" "6206967" "6207302" "6207487" "6218298" "6231672" "6248605" "6270572" "6271148" "6284646" "6287965").PN. OR ("6291876" "6302965" "6305314" "6306216" "6316098" "6333260" "6334983" "6335280" "6342277" "6348376" "6355561" "6358829" "6368954" "6369430" "6372598" "6379748" "6391785" "6399491" "6416577" "6416822" "6420189" "6423619" "6428859" "6436193" "6447607" "6447933" "6451119" "6451695" "6468924" "6475276" "6475910" "6478872" "6481945" "6482262" "6482733" "6482740" "6511539" "6534133" "6534395" "6551406" "6551929" "6569501" "6572705" "6575705" "6578287" "6579372" "6585823" "6596602" "6599572" "6607976" "6620723" "6630030" "6630201" "6632279" "6660126" "6686271" "6778762").PN. OR ("6916398").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/24 15:36
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L91	1	"6056823".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/24 15:27
L92	16	("118"/\$.ccls. or "156"/\$.ccls.) and (wafer or substrate) and microvalve and (chamber or reactor or vessel)	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/24 16:06
L93	7	("118"/\$.ccls. or "156"/\$.ccls.) and (wafer or substrate) and (conical adj1 valve) and (chamber or reactor or vessel)	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/24 16:09
L94	0	("118"/\$.ccls. or "156"/\$.ccls.) and (wafer or substrate) and (connical adj1 valve) and (chamber or reactor or vessel)	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/24 16:09
L95	34	("118"/\$.ccls. or "156"/\$.ccls.) and (wafer or substrate) and (conical with valve) and (chamber or reactor or vessel)	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/24 16:09
L96	27	("3730134" "4157931" "4201149" "4519846" "4640846" "4889069" "5009185" "5234499").PN. OR ("5439519").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/24 16:19
L97	2	("20030119328").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2005/07/24 16:20
L98	2	("5225366").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2005/07/24 16:20
S1	132	RTP.ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/05/25 10:55
S2	8628	118/715.ccls. or 118/728.ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.51.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:27
S3	8034	137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07.ccls. or 137/602.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/11/07 12:45
S4	2262	141/285-286.ccls. or 141/37.ccls. or 141/44-47.ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/11/07 12:45
S5	456	261/127.ccls. or 261/131.ccls. or 261/146-147.ccls. or 261/150.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/11/07 12:45
S6	2572	261/19-22.ccls. or 261/23.1.ccls. or 261/40.ccls. or 261/42.ccls. or 261/62-63.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/11/07 12:45
S7	7023	261/64.1.ccls. or 261/65.ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102.ccls. or 261/105.ccls. or 261/108-109.ccls. or 261/113.ccls. or 261/114.1.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/11/07 12:45
S8	8968	(ald or cvd) and deposit\$3 and valve	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/11/07 12:46

S9	28323	(118/715.ccls. or 118/728.ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.51.ccls.) or (137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07.ccls. or 137/602.ccls.) or (141/285-286.ccls. or 141/37.ccls. or 141/44-47.ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls.) or (261/127.ccls. or 261/131.ccls. or 261/146-147.ccls. or 261/150.ccls.) or (261/19-22.ccls. or 261/23.1.ccls. or 261/40.ccls. or 261/42.ccls. or 261/62-63.ccls.) or (261/64.1.ccls. or 261/65.ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102.ccls. or 261/105.ccls. or 261/108-109.ccls. or 261/113.ccls. or 261/114.1.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/11/07 12:46
S10	1890	(ald or cvd) and deposit\$3 and (valve same wall)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/11/07 12:46
S11	231	(ald or cvd) and deposit\$3 and ((valve and actuator) same wall)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	QR	ON	2003/11/07 12:46
S12	0	((gate or door) with (gas and spring)) and (ald or cvd) not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or ((ald or cvd) and deposit\$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((gate or door) same (gas and spring)) and (ald or cvd) and deposit\$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or ((ald or cvd) and deposit\$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.))))) or ((actuator same (gas and wall)) and (ald or cvd) and deposit\$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or ((ald or cvd) and deposit\$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((gate or door) same (gas and spring)) and (ald or cvd) and deposit\$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or ((ald or cvd) and deposit\$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)))))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/11/06 14:31
S13	0	valve and wall and (deposit\$4 or etch\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/11/06 14:31
S14	0	valve and wall and (deposit\$4 or etch\$4) and flush	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/11/06 14:31
S15	0	(valve and wall and (deposit\$4 or etch\$4)) and (wafer or substrate or article)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/11/06 14:31
S16	0	(valve and wall and (deposit\$4 or etch\$4)) and (wafer or substrate or article)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/11/06 14:31
S17	0	(wall with "pinch valve") and deposit\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/11/06 14:31
S18	0	(wall with "pinch valve") and (reactor or chamber or vessel or tank) not ((wall with "pinch valve") and deposit\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/11/06 14:31
S19	0	"diaphragm valve".ti. and "chemical vapor deposition"	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/11/06 14:32

S20	0	((118/715.ccls. or 118/728.ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.51.ccls.) or (137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07.ccls. or 137/602.ccls.) or (141/285-286.ccls. or 141/37.ccls. or 141/44-47.ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls.) or (261/127.ccls. or 261/131.ccls. or 261/146-147.ccls. or 261/150.ccls.) or (261/19-22.ccls. or 261/23.1.ccls. or 261/40.ccls. or 261/42.ccls. or 261/62-63.ccls.) or (261/64.1.ccls. or 261/65.ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102.ccls. or 261/105.ccls. or 261/108-109.ccls. or 261/113.ccls. or 261/114.1.ccls.) and (((ald or cvd) and deposit\$3 and (valve same wall)) or (((gate or door) same (gas and spring)) and (ald or cvd) and deposit\$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit\$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.))))) or ((wall with "pinch valve") and deposit\$3) or ((wall with "pinch valve") and (reactor or chamber or vessel or tank) not ((wall with "pinch valve") and deposit\$3)))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/11/06 14:32
S21	0	(valve and wall and (deposit\$4 or etch\$4)) and (((118/715.ccls. or 118/728.ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.51.ccls.) or (137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07.ccls. or 137/602.ccls.) or (141/285-286.ccls. or 141/37.ccls. or 141/44-47.ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls.) or (261/127.ccls. or 261/131.ccls. or 261/146-147.ccls. or 261/150.ccls.) or (261/19-22.ccls. or 261/23.1.ccls. or 261/40.ccls. or 261/42.ccls. or 261/62-63.ccls.) or (261/64.1.ccls. or 261/65.ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102.ccls. or 261/105.ccls. or 261/108-109.ccls. or 261/113.ccls. or 261/114.1.ccls.) and (((ald or cvd) and deposit\$3 and (valve same wall)) or (((gate or door) same (gas and spring)) and (ald or cvd) and deposit\$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit\$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.))))) or ((wall with "pinch valve") and deposit\$3) or ((wall with "pinch valve") and (reactor or chamber or vessel or tank) not ((wall with "pinch valve") and deposit\$3)))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/11/06 14:33
S22	0	((((gate or door) with (gas and spring)) and (ald or cvd) not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit\$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((gate or door) same (gas and spring)) and (ald or cvd) and deposit\$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit\$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.))))) or ((actuator same (gas and wall)) and (ald or cvd) and deposit\$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit\$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((gate or door) same (gas and spring)) and (ald or cvd) and deposit\$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit\$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)))))) and ((valve and wall and (deposit\$4 or etch\$4)) and (((118/715.ccls. or 118/728.ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.51.ccls.) or (137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07.ccls. or 137/602.ccls.) or (141/285-286.ccls. or 141/37.ccls. or 141/44-47.ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls.) or (261/127.ccls. or 261/131.ccls. or 261/146-147.ccls. or 261/150.ccls.) or (261/19-22.ccls. or 261/23.1.ccls. or 261/40.ccls. or 261/42.ccls. or 261/62-63.ccls.) or (261/64.1.ccls. or 261/65.ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102.ccls. or 261/105.ccls. or 261/108-109.ccls. or 261/113.ccls. or 261/114.1.ccls.) and (((ald or cvd) and deposit\$3 and (valve same wall)) or (((gate or door) same (gas and spring)) and (ald or cvd) and deposit\$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit\$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.))))) or ((wall with "pinch valve") and deposit\$3) or ((wall with "pinch valve") and (reactor or chamber or vessel or tank) not ((wall with "pinch valve") and deposit\$3)))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/11/06 14:34
S23	0	("4319737") or ("5002928") or ("5002928") or ("5002928").PN.	USPAT; USOCR	OR	OFF	2003/11/06 14:51
S24	0	("5885358").PN.	USPAT; USOCR	OR	OFF	2003/11/06 14:51

S25	6	((("5002928") or ("5853484") or ("5002928") or ("4319737") or ("5002928") or ("5002928") or ("5002928")).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/12/15 14:55
S26	2	us-20020129768-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/12/15 13:25
S27	11	((("6,228,563") or ("6,333,268") or ("4,872,947") or ("5,000,113") or ("5,362,526") or ("20030045098") or ("20020155632")).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/12/15 14:56
S28	2	("4872947").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/12/15 14:57
S29	19	((("5,522,934") or ("5,620,523") or ("5,772,771") or ("6,132,552") or ("6,294,026") or ("6,453,992") or ("5,792,272") or ("20030033980") or ("20040144310")).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/12/15 14:57
S30	2	("5,002,928").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2005/07/19 13:27
S31	2	("5,853,484").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2005/07/19 13:27
S32	9791	118/715.ccls. or 118/728.ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.51.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/19 13:38
S33	7879	137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07.ccls. or 137/602.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/19 13:38
S34	2414	141/285-286.ccls. or 141/37.ccls. or 141/44-47.ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/19 13:38
S35	472	261/127.ccls. or 261/131.ccls. or 261/146-147.ccls. or 261/150.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/19 13:38
S36	2608	261/19-22.ccls. or 261/23.1.ccls. or 261/40.ccls. or 261/42.ccls. or 261/62-63.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/19 13:38
S37	7165	261/64.1.ccls. or 261/65.ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102.ccls. or 261/105.ccls. or 261/108-109.ccls. or 261/113.ccls. or 261/114.1.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/19 13:38
S38	12740	(ald or cvd) and deposit\$3 and valve	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/19 13:38

S39	29670	(118/715.ccls. or 118/728.ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.51.ccls.) or (137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07.ccls. or 137/602.ccls.) or (141/285-286.ccls. or 141/37.ccls. or 141/44-47.ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls.) or (261/127.ccls. or 261/131.ccls. or 261/146-147.ccls. or 261/150.ccls.) or (261/19-22.ccls. or 261/23.1.ccls. or 261/40.ccls. or 261/42.ccls. or 261/62-63.ccls.) or (261/64.1.ccls. or 261/65.ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102.ccls. or 261/105.ccls. or 261/108-109.ccls. or 261/113.ccls. or 261/114.1.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/19 13:38
S40	2683	(ald or cvd) and deposit\$3 and (valve same wall)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/19 13:38
S41	393	(ald or cvd) and deposit\$3 and ((valve and actuator) same wall)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/19 13:38
S42	73	((gate or door) same (gas and spring)) and (ald or cvd) and deposit\$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit\$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.))))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/19 13:38
S43	4	((gate or door) with (gas and spring)) and (ald or cvd) not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit\$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)))) or (((gate or door) same (gas and spring)) and (ald or cvd) and deposit\$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit\$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)))))) or ((actuator same (gas and wall)) and (ald or cvd) and deposit\$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit\$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)))) or (((gate or door) same (gas and spring)) and (ald or cvd) and deposit\$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit\$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.))))))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/19 13:38
S44	70431	valve and wall and (deposit\$4 or etch\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/19 13:38
S45	7496	valve and wall and (deposit\$4 or etch\$4) and flush	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/19 13:38
S46	32898	(valve and wall and (deposit\$4 or etch\$4)) and (wafer or substrate or article)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/19 13:38
S47	32898	(valve and wall and (deposit\$4 or etch\$4)) and (wafer or substrate or article)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/19 13:38
S48	25	(wall with "pinch valve") and deposit\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/19 13:38
S49	96	(wall with "pinch valve") and (reactor or chamber or vessel or tank) not ((wall with "pinch valve") and deposit\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/19 13:38

S50	5	"diaphragm valve".ti. and "chemical vapor deposition"	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/19 13:38
S51	1282	((118/715.ccls. or 118/728.ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.51.ccls.) or (137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07.ccls. or 137/602.ccls.) or (141/285-286.ccls. or 141/37.ccls. or 141/44-47.ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls.) or (261/127.ccls. or 261/131.ccls. or 261/146-147.ccls. or 261/150.ccls.) or (261/19-22.ccls. or 261/23.1.ccls. or 261/40.ccls. or 261/42.ccls. or 261/62-63.ccls.) or (261/64.1.ccls. or 261/65.ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102.ccls. or 261/105.ccls. or 261/108-109.ccls. or 261/113.ccls. or 261/114.1.ccls.) and (((ald or cvd) and deposit\$3 and (valve same wall)) or (((gate or door) same (gas and spring)) and (ald or cvd) and deposit\$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit\$3 and ((valve and actuator) same wall)) not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.))))) or ((wall with "pinch valve") and deposit\$3) or ((wall with "pinch valve") and (reactor or chamber or vessel or tank) not ((wall with "pinch valve") and deposit\$3)))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/19 13:38
S52	540	(valve and wall and (deposit\$4 or etch\$4)) and (((118/715.ccls. or 118/728.ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.51.ccls.) or (137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07.ccls. or 137/602.ccls.) or (141/285-286.ccls. or 141/37.ccls. or 141/44-47.ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls.) or (261/127.ccls. or 261/131.ccls. or 261/146-147.ccls. or 261/150.ccls.) or (261/19-22.ccls. or 261/23.1.ccls. or 261/40.ccls. or 261/42.ccls. or 261/62-63.ccls.) or (261/64.1.ccls. or 261/65.ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102.ccls. or 261/105.ccls. or 261/108-109.ccls. or 261/113.ccls. or 261/114.1.ccls.)) and (((ald or cvd) and deposit\$3 and (valve same wall)) or (((gate or door) same (gas and spring)) and (ald or cvd) and deposit\$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit\$3 and ((valve and actuator) same wall)) not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.))))) or ((wall with "pinch valve") and deposit\$3) or ((wall with "pinch valve") and (reactor or chamber or vessel or tank) not ((wall with "pinch valve") and deposit\$3)))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/19 13:59
S53	0	(((gate or door) with (gas and spring)) and (ald or cvd) not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit\$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((gate or door) same (gas and spring)) and (ald or cvd) and deposit\$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit\$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.))))) or ((actuator same (gas and wall)) and (ald or cvd) and deposit\$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit\$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((gate or door) same (gas and spring)) and (ald or cvd) and deposit\$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit\$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)))))) and ((valve and wall and (deposit\$4 or etch\$4)) and (((118/715.ccls. or 118/728.ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.51.ccls.) or (137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07.ccls. or 137/602.ccls.) or (141/285-286.ccls. or 141/37.ccls. or 141/44-47.ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls.) or (261/127.ccls. or 261/131.ccls. or 261/146-147.ccls. or 261/150.ccls.) or (261/19-22.ccls. or 261/23.1.ccls. or 261/40.ccls. or 261/42.ccls. or 261/62-63.ccls.) or (261/64.1.ccls. or 261/65.ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102.ccls. or 261/105.ccls. or 261/108-109.ccls. or 261/113.ccls. or 261/114.1.ccls.)) and (((ald or cvd) and deposit\$3 and (valve same wall)) or (((gate or door) same (gas and spring)) and (ald or cvd) and deposit\$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit\$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.))))) or ((wall with "pinch valve") and deposit\$3) or ((wall with "pinch valve") and (reactor or chamber or vessel or tank) not ((wall with "pinch valve") and deposit\$3)))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/19 13:38

S54	2	((("4319737") or ("5002928") or ("5002928") or ("5002928"))).PN.	USPAT; USOCR	OR	OFF	2005/07/19 13:38
S55	1	("5885358").PN.	USPAT; USOCR	OR	OFF	2005/07/19 13:38
S56	180	RTP.ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/19 13:38
S57	6	((("5002928") or ("5853484") or ("5002928") or ("4319737") or ("5002928") or ("5002928") or ("5002928"))).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2005/07/19 13:38
S58	2	us-20020129768-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/19 13:38
S59	11	((("6,228,563") or ("6,333,268") or ("4,872,947") or ("5,000,113") or ("5,362,526") or ("20030045098") or ("20020155632"))).PN	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2005/07/19 13:38
S60	2	("4872947").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2005/07/19 13:38
S61	19	((("5,522,934") or ("5,620,523") or ("5,772,771") or ("6,132,552") or ("6,294,026") or ("6,453,992") or ("5,792,272") or ("20030033980") or ("20040144310"))).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2005/07/19 13:38
S62	2	("5,002,928").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2005/07/19 13:38
S63	4	((("5951771") or ("5221449"))).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2005/07/19 14:00
S64	225	NGUYEN-ANH-N.in. or CHIAO-STEVE-H.in. or YUAN-XIAOXIONG.in. or LEI-LAWRENCE-CHUNG-LAI.in. or XI-MING.in. or YANG-MICHAEL-X.in. or SEUTTER-SEAN-M.in. or ITOH-TOSHIO.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/19 14:02
S65	108	S64 and valve	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/19 14:03

S66	290	("20010000866" "20010002280" "20010009140" "20010009695" "20010011526" "20010021589" "20010024387" "20010025979" "20010028924" "20010029094" "20010029891" "20010031562" "20010034123" "20010041250" "20010042799" "20010050039" "20010054730" "20010054769" "20020000598" "20020004293" "20020005556" "20020007790" "20020008297" "20020014647" "20020015790" "20020016084" "20020019121" "20020020869" "20020021544" "20020029092" "20020037630" "20020041931" "20020043666" "20020047151" "20020048635" "20020048880" "20020052097" "20020055235" "20020061612" "20020064970" "20020068458" "20020073924" "20020074588" "20020076481" "20020076507" "20020076508" "20020076837" "20020081826" "20020081844" "20020090829" "20020093046" "20020093781" "20020094689" "20020098627" "20020104481" "20020105088" "20020106536" "20020106846" "20020109168" "20020117399" "20020121697" "20020135071" "20020144655" "20020144657" "20020146511" "20020146895" "20020151152" "20020153579" "20020155722" "20020162506" "20020164421" "20020164423" "20020177282" "20020182320" "20020187256" "20020187631" "20020197402" "20030013320" "20030015764" "20030031807" "20030032281" "20030042630" "20030049942" "20030060057" "20030072975" "20030082296" "20030082300" "4058430" "4389973" "4413022" "4486487" "4767494" "4806321" "4813846" "4829022" "4834831").PN. OR ("4838983" "4838993" "4840921" "4845049" "4859625" "4859627" "4861417" "4876218" "4917556" "4927670" "4931132" "4951601" "4960720" "4975252" "4993357" "5000113" "5013683" "5028565" "5082798" "5085885" "5091320" "5130269" "5166092" "5173474" "5186718" "5205077" "5225366" "5234561" "5246536" "5250148" "5254207" "5256244" "5259881" "5270247" "5278435" "5281274" "5286296" "5290609" "5290748" "5294286" "5296403" "5300186" "5306666" "5311055" "5316615" "5316793" "5330610" "5336324" "5338389" "5348911" "5374570" "5395791" "5438952" "5439876" "5441703" "5443033" "5443647" "5455072" "5458084" "5469806" "5480818" "5483919" "5484664" "5503875" "5521126" "5526244" "5527733" "5532511" "5540783" "5580380" "5601651" "5609689" "5616181" "5637530" "5641984" "5644128" "5667592" "5674786" "5693139" "5695564" "5705224" "5707880" "5711811" "5730801" "5730802" "5747113" "5749974" "5788447" "5788799" "5796116" "5801634" "5807792" "5830270" "5835677" "5851849" "5855675" "5855680" "5856219" "5858102" "5866213" "5866795" "5879459" "5882165" "5882413" "5904565" "5916365" "5923056" "5923985" "5925574" "5928389" "5942040" "5947710" "5972430" "6001669" "6013553" "6015590" "6015917" "6020243" "6025627" "6036773" "6042652" "6043177" "6051286" "6062798" "6071808").PN. OR ("6084302" "6086677" "6110556" "6113977" "6117244" "6124158" "6130147" "6139700" "6140237" "6140238" "6143659" "6144060" "6158446" "6174377" "6174809" "6197683" "6200893" "6203613" "6206967" "6207302" "6207487" "6238734" "6248605" "6270572" "6271148" "6284646" "6287965" "6291283" "6291876" "6297539" "6299294" "6305314" "6306216" "6316098" "6333260" "6342277" "6348376" "6348386" "6355561" "6358829" "6368954" "6369430" "6372598" "6379748" "6391785" "6391803" "6395650" "6399491" "6416577" "6416822" "6420189" "6420279" "6423619" "6428859" "6447933" "6451119" "6451695" "6452229" "6458701" "6468924" "6475276" "6475910" "6482262" "6482733" "6482740" "6492283" "6511539" "6534395" "6548424").PN. OR ("6846516").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/19 14:47
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